

**STATE OF CALIFORNIA**  
**DEPARTMENT OF PUBLIC HEALTH**

**IN RE:** Caltrans, Cactus City Rest Area  
464 W. Fourth Street, MS 1108  
San Bernardino, CA 92401

**TO:** Cindy Gano  
Drinking Water Manager

**CITATION FOR NONCOMPLIANCE - WATER SYSTEM NO. 3301075**

**CITATION NO. 05-20-13C-007**

**Issued on October 30, 2013**

Section 116650, Article 9, Chapter 4, Part 12, Division 104 of the California Health and Safety Code (H & S Code), authorizes the issuance of a citation for failure to comply with the requirements of the California Safe Drinking Water Act, or any regulation, standard, permit or order issued thereunder.

## VIOLATION

The California Department of Public Health, Drinking Water Field Operations Branch (hereinafter Department), hereby issues a citation to the Caltrans, Cactus City Rest Area (hereinafter Caltrans) (mailing address: 464 W. Fourth St. MS 1108, San Bernardino, CA 92401) for the following violation:

1. H & S Code, Section 116555 (a); and California Code of Regulations (CCR), Title 22, Section 64426.1 (b) (2): Specifically, Caltrans failed to comply with the Primary

1 Drinking Water Standard for total coliform bacteria during September 2013. A  
2 public water system is in violation of the Total Coliform Maximum Contaminant  
3 Level (MCL) when, for a system that collects fewer than forty samples per month,  
4 more than one sample collected during any month is total coliform positive.

5  
6 In accordance with Section 116650 of the H & S Code, the above violation is  
7 classified as non-continuing violation.

## 8 9 **BACKGROUND**

10 Caltrans serves water to a transient population at the eastbound and westbound sides  
11 of the Cactus City Rest Area. The Cactus City Rest Area is located off of the I-10  
12 freeway, east of Indio. The source of water is Colorado River surface water via  
13 Metropolitan Water District's aqueduct. Raw water gravity feeds a 2,500-gallon raw  
14 water storage tank on the westbound side. Raw water is pumped from the raw water  
15 storage tank to 500 gallon storage/pressure tanks on the eastbound and westbound  
16 sides. Raw water from each side's 500 gallon storage/pressure tank serves the  
17 treatment plants and/or the irrigation and toilet systems. Each treatment plant  
18 consists of a Rosedale 5.0 micron pre-filter and a 1.0 micron Giardia barrier bag filter  
19 followed by a flow meter and a 500-gallon filtered water storage/contact tank. The  
20 Rosedale bag filter treatment plant is defined as an alternative technology treatment  
21 system per Section 64653, Title 22, CCR.

22  
23 Caltrans currently samples for bacteriological monitoring at the Cactus City Rest Area  
24 in accordance to the Rest Area's July 2012's approved total coliform rule (TCR)  
25 monitoring plan. The Rest Area does not have designated lockable sampling stations  
26 installed so instead Caltrans collects its routine samples for total coliform bacteria

1 water quality monitoring from buildings' drinking fountains and/or at hose bibs in the  
2 Rest Area.

### 3 4 **PREVIOUS ENFORCEMENT ACTIONS**

5 The following enforcement action was previously issued to this system for a similar  
6 violation:

7  
8 **May 12, 1994**, the Department issued Caltrans a Citation for having more than one  
9 sample total coliform positive during the month of April 1994 at the Cactus City Rest  
10 Area.

### 11 12 **CHRONOLOGY OF EVENTS**

13 **Wednesday, September 25, 2013**: Two coliform samples were taken from the  
14 Cactus City Rest Area; one sample from its Eastbound Rest Area and one sample  
15 from its Westbound Rest Area.

16  
17 **Thursday, September 26, 2013**: At around 3:46 pm Caltrans notified the Department  
18 that the sample from its Eastbound Rest Area (Hosebib No. 1) taken on Wednesday  
19 was positive for total coliform with a chlorine residual of 0.2 ppm and that three  
20 additional samples will be taken as soon as possible and taken to the lab the next  
21 morning.

22  
23 **Friday, September 27, 2013**: Caltrans collected three distribution repeat samples at  
24 the Eastbound Rest Area including the original Hosebib No. 1 sample site, and at the  
25 upstream and downstream sample sites, and delivered them to the laboratory that  
26 same day.

27

1 **Saturday, September 28, 2013:** The laboratory notified Caltrans that a repeat  
2 sample taken on Friday at Eastbound Drinking Fountain No. 3 site had tested positive  
3 for total coliform with a chlorine residual of 2.9 ppm. Around 10:15 am Caltrans  
4 notified the Department of the total coliform positive and its decision to close the Rest  
5 Area until further testing showed negative presence of total coliform.

6  
7 **Sunday, September 29, 2013:** While having the Rest Area closed, Caltrans  
8 performed chlorine residual checks on all of its sampling points, flushed the system  
9 and collected the mandatory repeat samples along with 5 more samples.

10  
11 **Tuesday, October 1, 2013:** Caltrans informed the Department that all samples taken  
12 on Sunday September 29, 2013 were negative for total coliform presence and  
13 provided a copy of the results requesting reopening of the Rest Area. The Department  
14 reviewed the results and approved Caltrans request to reopen the Rest Area. A copy  
15 of the laboratory test results is included in **Attachment 1**.

16  
17 **Wednesday, October 9, 2013:** The Department reviewed and approved a Caltrans  
18 Resolved Tier 2 Total Coliform Rule Public Notification. Caltrans informed the  
19 Department that the Rest Areas has been closed since Monday October 8, 2013 due  
20 to a break in its source intake pipe and will notify the Department when the Rest Area  
21 is reopened.

22  
23 **Thursday, October 10, 2013:** Caltrans submitted a photo to the Department with the  
24 Public Notification posted on its bulletin board. A copy of the public notice as well as  
25 the proof on notification is included in **Attachment 2**.

## **DISCUSSION OF CONTRIBUTING PROBLEMS, SANITARY HAZARDS AND PUBLIC HEALTH SAFEGUARDS**

As a surface water system Caltrans Cactus City Rest Area is required to provide a 3-log removal/inactivation of Giardia lamblia cysts and 4-log removal/inactivation of enteric viruses through filtering and chlorine disinfection. Because enteric viruses are generally more resistant to chlorine disinfection than enteric bacteria, a 4-log inactivation of viruses indicates a more than 4-log inactivation of bacteria. Through its treatment facility Caltrans Cactus City meets the above mentioned requirements when providing treated water that is below a turbidity of 0.2 NTU and a minimum chlorine residual of 1.0 ppm at its treatment plant effluent. To ensure that the above requirements are met at all times Caltrans has a solenoid valve installed at both treatment plant effluents that is interconnected to its Hach Accu4 or Hach 1720D turbidimeters and Hach CL 17chlorine residual analyzers. The solenoid valve will shut down the effluent prior to distribution whenever the turbidity and chlorine residual requirements are not met. In addition Caltrans maintains and calibrates its turbidimeters, tests its chlorine residual analyzers for reliability, and has its filters and pre-filters changed, on a monthly basis. According to its surface water treatment report the last time that the pre-filters and filters were changed before the total coliform incident was September 10, 2013.

From the Department's review of Caltrans Cactus City lab reports, including treatment plant reports, and discussion with the water system it was determined that the possible factors contributing to the positive coliform samples may have been due to contaminated sampling taps, and/or improper sampling techniques that may have contaminated the sample, such as not shielding the sample bottle cap and bottle from debris, and/or poor storing/transporting the bottle after testing. Caltrans shall ensure

1 that sample taps are maintained and shall review sampler training and ensure proper  
2 sampling techniques are employed to minimize the possibility for contamination of  
3 water samples; which may include disinfecting and/or flushing the sampling taps prior  
4 to testing.

5  
6 In addition, during our review of the laboratory data and the latest TCR Sample Siting  
7 Plan, dated July 18, 2012, it was noted that the samples were not labeled correctly  
8 conforming with Cactus City's TCR Sample Siting Plan; the routine Eastbound  
9 Drinking Fountain #1 sample site in the TCR Sample Siting Plan is labeled as  
10 Eastbound Hose Bib #1 in the laboratory sample identification forms, whereas the  
11 Eastbound Hose Bib #3 in the TCR Sample Siting Plan is labeled as Eastbound  
12 Drinking Fountain #3 in the laboratory sample identification forms. Caltrans shall  
13 ensure that labeling on their laboratory sample identification forms matches the Rest  
14 Area's approved TCR Sample Siting Plan to ensure accuracy and reliability during  
15 investigative procedures for any future total coliform occurrences.

## 16 17 **DIRECTIVES**

18 Caltrans is hereby directed to take the following actions:

- 19
- 20 1. Forthwith, Caltrans shall cease and desist from failing to comply with the Primary  
21 Drinking Water Standard for bacteriological water quality.
  - 22
  - 23 2. Caltrans shall review its water sampler training to ensure that proper sampling  
24 techniques are followed to minimize the possibility for contamination of water  
25 samples.
  - 26

3. Caltrans shall ensure that labeling in their laboratory sample identification forms matches the Rest Area's approved TCR Sample Siting Plan.

All submittals required by this Citation shall be sent to:

J. Steven Williams, P.E.  
District Engineer  
Department of Public Health  
Division of Drinking Water and Environmental Management  
1350 Front Street, Room 2050  
San Diego, CA 92101

**CIVIL PENALTY**

Failure to comply with any provision of this citation may result in the Department imposing an administrative penalty of not less than \$200.00 (Two hundred dollars) per day as of the date of violation of any provision of this citation.

10-30-2013

Date



J. Steven Williams, P.E.

District Engineer

Riverside District

Drinking Water Field Operations Branch

cc: County of Riverside, Department of Environmental Health

Attachments: 1. September 2013 total coliform laboratory results  
2. Copy of Caltrans public notice and proof of notification.

## MONTHLY SUMMARY OF WATER SYSTEM COLIFORM MONITORING

System Name <b>Catus City</b>	System Number <b>3301075</b>
Sampling Period <b>SEPT</b>	Year <b>2013</b>

	Number Required	Number Collected	Number Total Coliform Positives	Number Fecal/ E.coli Positives
1. Routine Samples (see note 1)	<u>8</u>	<u>8</u>	<u>2</u>	<u>2</u>
2. Repeat Samples following Samples that are Total Coliform Positive and Fecal/E.coli <b>Negative</b> (see notes 5 and 6)		<u>10</u>	<u>1</u>	<u>1</u>
3. Repeat Samples following Routine Samples that are Total Coliform <b>Positive</b> and Fecal/E.coli Positive (see notes 5 and 6)		<u>5</u>	<u>1</u>	<u>1</u>
4. MCL Computation for Total Coliform Positive Samples				
a. Totals (sum of columns)		<u>23</u>	<u>4</u>	
b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100]				
c. Is system in compliance...with fecal/E. coli MCL? (see notes 2 and 3)		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
...with monthly MCL? (see note 4)		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
5. Triggered Source Samples following Routine Samples that are Total Coliform Positive (This applies <b>only</b> to systems subject to the Groundwater Rule - see notes 8 and 9)		<u>2</u>		
6. Invalidated Samples (Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.)				
7. Summary Completed By: <b>Brenda D.Anderson</b>				

Signature <i>Brenda D. Anderson</i>	Title <i>Superior</i>	Date <b>10-3-13</b>
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## NOTES AND INSTRUCTIONS:

## 1. Routine samples include:

- Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422.
  - Extra samples are required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous month;
  - Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations;
- Note: For a repeat sample following a total coliform positive sample, any fecal/E.coli positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
  - Note: For repeat sample following a fecal/E.coli positive sample, any total coliform positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
  - Total coliform MCL (Notify Department within 24 hours of MCL violation):
    - For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the MCL is violated.
    - For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the MCL is violated.
  - Positive results and their associated repeat samples must be tracked on the Coliform Monitoring Worksheet.
  - For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. Repeat samples must be collected within 24 hours of being notified of the positive results.
  - For systems collecting one or less routine samples per month, four repeat samples must be collected for each total coliform positive sample.
  - For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples must be tracked on the Coliform Monitoring Worksheet.
  - For triggered sample(s) following a total coliform routine positive sample, an E.coli (or other GW Rule accepted fecal indicator) positive triggered sample (boxed entry) **requires immediate notification to the Department, Tier 1 public notification, and corrective action.**

# Clinical Laboratory of San Bernardino, Inc.



**Cal Trans RC SRRA**  
 464 West 4th Street, 6th Floor, MS 1108  
 San Bernardino CA, 92401  
 Project: Cactus City #744 RC SRRA  
 Sub Project: System Number 3301075  
 Project Manager: Cindy Oaso  
 Work Order: 1310411  
 Received: 09/04/13 17:40  
 Reported: 09/06/13

**Cactus City E/B Hose Bib #1**  
 1310411-01 (Water)  
 Sample Date: 09/04/13 11:06  
 Sampler: Gino Guajardo

Analyte	Method	Result	Units	Rep. Limit	Prepared	Analyzed	Batch	Qualifier
<b>Field Analytes</b>								
CI Res Free (Field)	Field	0.66	mg/L		09/04/13	09/04/13	1336227	
<b>Microbiology Analytes</b>								
Total Coliform	SM 9223	A	P/A		09/04/13	09/05/13	1336250	
E. Coli	SM 9223	A	P/A		09/04/13	09/05/13	1336250	
Total Coliform (Density)	SM 9223	ND	MPN/100 mL	1.0	09/04/13	09/05/13	1336250	
E. Coli (Density)	SM 9223	ND	MPN/100 mL	1.0	09/04/13	09/05/13	1336250	
ND	Analyte NOT DETECTED at or above the reporting limit							

Robin Glenney  
 Project Manager

## Clinical Laboratory of San Bernardino, Inc.

## Chain of Custody

1310411

<b>Client</b> Cal Trans Maintenance Water Mgr <b>Address</b> 464 W 4th St 6th Floor M/S 1108 San Bernardino, CA 92401 <b>System</b> 3301075 <b>Phone No.</b> 951 314-3677 <b>Alt No.</b> <b>Project</b> Cactus City #744 RC SRRA <b>Sampled By</b> Gino Guajardo <b>Comments</b> First Wk River Run Thursday / Other Wks Wednesday Santos Saldivar 760 861-7660 / 760 347-3482 15 Miles East of Indio, 10 Fwy		<b>Client Job No.</b> <b>Destination Laboratory</b> <input checked="" type="checkbox"/> Clinical Laboratory <input type="checkbox"/> Other:	<b>Analysis Requested</b> MTBE Inorganic Chemical w/Asbestos General Mtn/General Phys Heterotrophic Plate Count Free Chlorine Residual Coliform (P/A) & Quantitay	<b>Turn Around Time</b>
<b>Date</b> 9/4/13 <b>Time</b> 11:06 <b>Sample Identification</b> Cactus City E/B Hose Bib #1 <b>Matrix</b> DW <b>Type</b> 1 <b>Pres.</b> 6,7 <b>Matrix: DW-Drinking</b> <b>Type: 1 - Routine, 2 - Repeat, 3 - Replacement, 4 - Special // W - Well, D - Distribution</b>	<b>Matrix</b> DW-Drinking <b>Type: 1 - Routine, 2 - Repeat, 3 - Replacement, 4 - Special // W - Well, D - Distribution</b>	<b>CI Res Init Blk</b> 0.66 <b>Std</b> 3.64 <b>Final Blk</b> 0.66 <b>pH Init</b> pH 7 <b>pH 10</b> <b>Final pH</b> 7 <b>pH 10</b>	<b>Comments</b> Weekly Weekly Monthly (3rd Wed) Annual (October)	
<b>Relinquished By (Sign)</b> Gino Guajardo	<b>Print Name / Company</b> Gino Guajardo	<b>Date / Time</b> 9/4/13 11:06	<b>Received By (Sign)</b> C. Oaso	
<b>Print Name / Company</b> C. Oaso	<b>Date / Time</b> 9/4/13 11:06	<b>Received By (Sign)</b> Gino Guajardo	<b>Print Name / Company</b> Gino Guajardo	
<b>Comments:</b>				
Samples received: ( ) On Ice ( ) Intact ( ) Custody seals Temp 13 ( ) F ( ) C				
Shipped Via: <input type="checkbox"/> Fed X <input type="checkbox"/> Golden State <input type="checkbox"/> UPS <input type="checkbox"/> Client <input type="checkbox"/> Other				

# Clinical Laboratory of San Bernardino, Inc.



Cal Trans RC SRRA  
464 West 4th Street, 6th Floor, MS 1108  
San Bernardino, CA, 92401

Project: Cactus City #744 RC SRRA  
Sub Project: System Number 3301075  
Project Manager: Cindy Gano

Work Order: 1311010  
Received: 09/11/13 17:00  
Reported: 09/13/13

Cactus City E/B Hose Bib #1 1311010-01 (Water) Sample Date: 09/11/13 11:51 Sampler: Gino Guajardo

Analyte	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch	Qualifier
<b>Field Analyses</b>								
CI Res Free (Field)	Field	1.91	mg/L		09/11/13	09/11/13	1337327	
<b>Microbiology Analyses</b>								
Total Coliform	SM 9223	A	P/A		09/11/13	09/12/13	1337368	
E. Coli	SM 9223	A	P/A		09/11/13	09/12/13	1337368	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/11/13	09/12/13	1337368	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/11/13	09/12/13	1337368	
<b>Cactus City W/B Hose Bib #4</b>								
1311010-02 (Water) Sample Date: 09/11/13 12:20 Sampler: Gino Guajardo								
Analyte	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch	Qualifier

<b>Field Analyses</b>								
CI Res Free (Field)	Field	1.2	mg/L		09/11/13	09/11/13	1337327	
<b>Microbiology Analyses</b>								
Total Coliform	SM 9223	A	P/A		09/11/13	09/12/13	1337368	
E. Coli	SM 9223	A	P/A		09/11/13	09/12/13	1337368	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/11/13	09/12/13	1337368	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/11/13	09/12/13	1337368	

ND Analyte NOT DETECTED at or above the reporting limit.

Robin Glenney  
Project Manager

*[Signature]*

## Clinical Laboratory of San Bernardino, Inc.

## Chain of Custody

1311010

<b>Client</b> Cal Trans Maintenance Water Mgr		<b>Client Job No.</b>		<b>Analysis Requested</b>				<b>Turn Around Time</b>
<b>Address</b> 464 W 4th St 6th Floor M/S 1108								
<b>System</b> 3301075		<b>Destination Laboratory</b>						
<b>Phone No.</b> 951 314-3677 <b>Alt No.</b>		<input checked="" type="checkbox"/> Clinical Laboratory <input type="checkbox"/> Other:						
<b>Project</b> Cactus City #744 RC SRRA								<b>Comments</b>
<b>Sampled By</b> Gino Guajardo								
<b>Comments</b> First Wk River Run Thursday / Other Wks Wednesday								
Santos Saldivar 760 861-7660 / 760 347-3482								
15 Miles East of Indio, 10 Fwy								<b>Weekly</b>
<b>Date</b> 9/11/13		<b>Sample Identification</b>		<b>Matrix</b>	<b>Type</b>	<b>Pres.</b>		
11:51		Cactus City E/B Hose Bib #1		DW	1	6.7	1.91	
12:20		Cactus City W/B Hose Bib #4		DW	1	6.7	1.20	<b>Weekly</b>
		Cactus City W/B Raw Well Tank		RW	1	6.7	X	
		Cactus City W/B Raw Well Tank		RW	1	6.7	X	
								<b>Monthly (3rd Wed)</b>
								<b>Annual (October)</b>
								<b>CI Res Init Blk 0.00 Std 3 1.67</b>
								<b>Final Blk 0.00</b>
								<b>pH Init pH 7 pH 10</b>
								<b>Final pH 7 pH 10</b>
<b>Preservatives:</b> (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl		<b>Matrix:</b> DW- Drinking W						<b>Shipped Via</b>
(5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:		<b>Type:</b> 1 - Routine, 2 - Repeat, 3 - Replacement, 4 - Special // W - Well, D - Distribution						
<b>Relinquished By (Sign)</b>	<b>Print Name / Company</b>	<b>Date / Time</b>	<b>Received By (Sign)</b>	<b>Print Name / Company</b>				
<i>[Signature]</i>	Gino Guajardo CLS	9/11/13 5:00	<i>[Signature]</i>	Chad Carter / CLS				
<b>Comments:</b>					<b>Samples received:</b> <input checked="" type="checkbox"/> On ice <input type="checkbox"/> Intact <input type="checkbox"/> Custody seals			
					<b>Temp</b> 12 <input type="checkbox"/> F <input checked="" type="checkbox"/> C			
					<b>Page</b> of			

**CA Trans RC SRRA**  
466 West 4th Street, 6th Floor, MS 1108  
San Bernardino CA, 92401

Project: Cactus City #744 RC SRRA  
Sub Project: System Number 330.075  
Project Manager: Cindy Gano

Work Order: 1311580  
Received: 09/18/13 17:00  
Reported: 09/23/13

## E. Coli (Density)

## E. Coli (Density)

## Plate Count



**Robin Glenney**  
**Project Manager**

131580

*Clinical Laboratory of San Bernardino, Inc.*

Cactus City E/B Hose Bib 1		131005-01 (Water)		Sample Date: 09/25/13 12:34		Sampler: Gino Guajardo	
Analyte	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch Qualifier

Field Analysis			
Clean Free (Field)	Field	1.65	mg/L
	09/25/13	09/25/13	1339335
Microbiology Analysis			
Total Coliform	SM 9223	A	P/A
E. Coli	SM 9223	ND	P/A
Total Coliform (Density)	SM 9223	ND	MFC/100
E. Coli (Density)	SM 9223	ND	MFC/100
			1.0
			09/25/13
			09/26/13
			1339329
Note	Notified Brenda Anderson 9/26/13 1230		
ND	Analyte NOT DETECTED at or above the reporting limit		





# Clinical Laboratory of San Bernardino, Inc.



**Cal Trans RC SRRA**  
 464 West 4th Street, 6th Floor, MS 1108  
 San Bernardino, CA, 92401  
 Project: Cactus City #744 RC SRRA  
 Sub Project: System Number 3301075  
 Project Manager: Cindy Gano  
 Work Order: 1312165  
 Received: 09/27/13 09:05  
 Reported: 09/30/13

**Cactus City W/B Surface Water**  
 1312165-04 (Water)  
 Sample Date: 09/27/13 7:55  
 Sampler: Bryan Blowney

Analyte Method Result Units Reg. Limit Prepared Analyzed Batch Qualifier

**Microbiology Analysis**  
 Total Coliform (Density) SM 9223 > 200 MPY/100 1.0 09/27/13 09/28/13 1340038 Note

E. Coli (Density) SM 9223 7.5 MPY/100 1.0 09/27/13 09/28/13 1340038 Note

Note: Notified Branda 09/28/13 0930  
 ND Analyte NOT DETECTED at or above the reporting limit

Robin Glenney  
 Project Manager

*(Signature)*

## Clinical Laboratory of San Bernardino, Inc.

## Chain of Custody

1312165

Client				Client Job No.				Analysis Requested											
Cal Trans Maintenance Water Mgr								Turn Around Time CI Res Init Blk <u>0.00</u> Std <u>3.156</u> Final Blk <u>0.00</u> pH Init pH 7 _____ pH 10 _____ Final pH 7 _____ pH 10 _____											
Address 464 W 4th St 6th Floor M/S 1108				Destination Laboratory				Comments Very Windy											
San Bernardino, CA 92401				[X] Clinical Laboratory															
System 3301075				[ ] Other:															
Phone No. 951 314-3677 Alt No.																			
Project Cactus City #744 RC SRRA																			
Sampled By Bryan Blowney																			
Comments First Wk River Run Thursday / Other Wks Wednesday																			
Russell White (909) 861-1872																			
15 Miles East of Indio, 10 Fwy																			
Date	Time	Sample Identification	Matrix	Type	Pres.	Coliform (P/A) & Quantity	Free Chlorine Residual												
9/27/13	7:30	Cactus City E/B Hose Bib #1	DW	2	6.7	X	0.56												
	7:35	Cactus City E/B Hose Bib #2	DW	2	6.7	X	0.82												
	7:43	Cactus City E/B Drinking Fountain #3	DW	2	6.7	X	2.90												
	7:55	Cactus City W/B Surface Water	RW	2	6.7	X													
Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl (5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:																			
Matrix: DW- Drinking Water, RW-Raw Water, SW-Storm Water, S-Solid Type: 1 - Routine, 2 - Repeat, 3 - Replacement, 4 - Special // W - Well, D - Distribution																			
Relinquished By (Sign)				Print Name / Company				Date / Time				Received By (Sign)				Print Name / Company			
<i>(Signature)</i>				B. Blowney C.L.S.B.				9/27/13 9:05				<i>(Signature)</i>				Sara Williams/CLSB			
RESAMPLE Samples received: (X) On ice (X) Intact (X) Custody seals Temp <u>75</u> ( ) F ( ) C																			
Shipped Via Fed X Golden State UPS Client Other Page <u>2</u> of <u>2</u>																			

# Clinical Laboratory of San Bernardino, Inc.



<b>Cal Trans RC SRRA</b> 464 West 4th Street, 6th Floor, MS 1108 San Bernardino CA, 92401	Project: Cactus City #744 RC SRRA Sub Project: System Number 3301075 Project Manager: Cindy Gano	Work Order: 1310070 Received: 09/30/13 11:40 Reported: 10/03/13
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Pet Faucet CCRA East				1310070-01 (Water)		Sample Date: 09/29/13 16:00		Sampler: Paul Harding	
Analyte	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch	Qualifier	

<b>Microbiology Analysis</b>								
Total Coliform	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
E. Coli	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	

DF Right CCRA East		1310070-02 (Water)		Sample Date: 09/29/13 16:10		Sampler: Paul Harding		
Analyte	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch	Qualifier

<b>Microbiology Analysis</b>								
Total Coliform	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
E. Coli	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	

DF Left CCRA East		1310070-03 (Water)		Sample Date: 09/29/13 16:08		Sampler: Paul Harding		
Analytic	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch	Qualifier

<b>Microbiology Analysis</b>								
Total Coliform	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
E. Coli	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	

Faucet Truck Parking CCRA East		1310070-04 (Water)		Sample Date: 09/29/13 16:15		Sampler: Paul Harding		
Analyte	Method	Result	Units	Rep. Limit	Prepared	Analyzed	Batch	Qualifier

<b>Microbiology Analysis</b>								
Total Coliform	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
E. Coli	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	

CCRA West Truck Parking Faucet		1310070-05 (Water)		Sample Date: 09/29/13 20:00		Sampler: Paul Harding		
Analyte	Method	Result	Units	Rep. Limit	Prepared	Analyzed	Batch	Qualifier

# Clinical Laboratory of San Bernardino, Inc.



<b>Cal Trans RC SRRA</b> 464 West 4th Street, 6th Floor, MS 1108 San Bernardino CA, 92401	Project: Cactus City #744 RC SRRA Sub Project: System Number 3301075 Project Manager: Cindy Gano	Work Order: 1310070 Received: 09/30/13 11:40 Reported: 10/03/13
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CCRA West Truck Parking Faucet		1310070-05 (Water)		Sample Date: 09/29/13 20:00		Sampler: Paul Harding		
Analyte	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch	Qualifier

<b>Microbiology Analysis</b>								
Total Coliform	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
E. Coli	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	

CCRA West Pet Faucet		1310070-06 (Water)		Sample Date: 09/29/13 20:10		Sampler: Paul Harding		
Analyte	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch	Qualifier

<b>Microbiology Analysis</b>								
Total Coliform	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
E. Coli	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	

CCRA West DF Right		1310070-07 (Water)		Sample Date: 09/29/13 20:15		Sampler: Paul Harding		
Analyte	Method	Result	Units	Rep. Limit	Prepared	Analyzed	Batch	Qualifier

<b>Microbiology Analysis</b>								
Total Coliform	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
E. Coli	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	

CCRA West DF Left		1310070-08 (Water)		Sample Date: 09/29/13 20:20		Sampler: Paul Harding		
Analyte	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch	Qualifier

<b>Microbiology Analysis</b>								
Total Coliform	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
E. Coli	SM 9223	A	P/A		09/30/13	10/01/13	1340123	
Total Coliform (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	
E. Coli (Density)	SM 9223	ND	MPN/100	1.0	09/30/13	10/01/13	1340123	

Raw Water Faucet		1310070-09 (Water)		Sample Date: 09/29/13 20:30		Sampler: Paul Harding		
Analyte	Method	Result	Units	Rep. Limit	Prepared	Analyzed	Batch	Qualifier

# Clinical Laboratory of San Bernardino, Inc.



Caltrans RC SRRA  
464 West 4th Street, 6th Floor, MS 1108  
San Bernardino CA, 92401

Project: Cactus City #74 RC SRRA  
Sub Project: System Number 3301075  
Project Manager: Cindy Gano

Work Order: 1310070  
Received: 09/30/13 11:40  
Reported: 10/03/13

## Raw Water Faucet

13M070-09 (Water)

Sample Date: 09/29/13 20:30 Sampler: Paul Harding

Analyte	Method	Result	Units	Rep Limit	Prepared	Analyzed	Batch	Qualifier
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### Microbiology Analytes

Total Coliform	SM 9223	P	P/A		09/30/13	10/01/13	1340123	Note
E. Coli	SM 9223	P	P/A		09/30/13	10/01/13	1340123	Note
Total Coliform (Density)	SM 9223	200	MPN/100 mL	1.0	09/30/13	10/01/13	1340123	Note
E. Coli (Density)	SM 9223	200	MPN/100 mL	1.0	09/30/13	10/01/13	1340123	Note
Plate Count	SM9215B	> 5700	CFU/mL	1	09/30/13	10/02/13	1340265	FT-4X, Note

Note: Notified Brenda 10/21/13 1445  
Note: Notified Brenda 10/11/13 0830  
IT-08 Analysis performed outside of recommended 8 hour hold time but within required 24 hour hold time.  
ND Analyte NOT DETECTED at or above the reporting limit

Robin Glenney  
Project Manager

*[Signature]*



## Clinical Laboratory of San Bernardino, Inc. CHAIN OF CUSTODY PAGE 1 OF 1

13J0070

<b>CLIENT:</b> Caltrans Rest Areas <b>Address:</b> Brenda Anderson <b>System Number:</b> <b>Phone No.:</b> 909-223-2766 <b>Project Name:</b> Cactus City RA East West <b>Sampled By:</b> Paul Harding SOS <b>Comments:</b>		<b>CLIENT JOB NUMBER</b> <b>DESTINATION LABORATORY</b> <input type="checkbox"/> CLINICAL LABORATORY OF SAN BERNARDINO, INC. (909) 825-7693 <input checked="" type="checkbox"/> OTHER <b>Riverside</b>		<b>ANALYSIS REQUESTED</b> Coliform E-Coli HPC	
DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	NUMBER OF CONTAINERS	PRESERVATIVES
9/29/13	1600	Pet Faucet CCRA East #1.	DW	1	Thio
"	1610	DF Right CCRA East #2.	DW	1	"
"	1608	DF Left CCRA East #3.	DW	1	"
"	1615	Faucet Truck Parking CCRA East #4	DW	1	"
9/29/13	2000	CCRA West Truck Parking Faucet	DW	1	Thio
"	2010	CCRA West Pet Faucet	DW	1	"
"	2015	CCRA West DF Right	DW	1	"
"	2020	CCRA West DF Left	DW	1	"
9/29/13	2030	Raw Water Faucet	SW	1	Thio
PRESERVATIVES: (1) NE, S.O. (2) HNO <sub>3</sub> /HCl (3) COLD TURN AROUND TIME: (10) 10 DAY (5) 5 DAY RUSH (7) 2 DAY RUSH ALL TURN AROUND TIMES ARE EXPRESSED AS WORKING DAYS. SOME ANALYSES MAY TAKE LONGER THAN CHOSEN TIME DUE TO METHOD LIMITATIONS.					
RELINQUISHED BY (SIGN)		PRINT NAME / COMPANY		DATE / TIME	
<i>Paul Harding</i>		Paul Harding / SOS		9/29/13 / 1140	
RECEIVED BY (SIGN)		PRINT NAME / COMPANY		DATE / TIME	
<i>Michael Anderson</i>		Michael Anderson		9/30/13 / 1140	
RECEIVED AT LAB BY: DATE / TIME: CONDITIONS / COMMENTS: 7.5°C					
SHIPPED VIA <input type="checkbox"/> FED X <input type="checkbox"/> GOLDEN STATE <input type="checkbox"/> GREYHOUND <input checked="" type="checkbox"/> CLIENT <input type="checkbox"/> OTHER					

## IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.

Tradúzcalo o hable con alguien que lo entienda bien.

### Caltrans Cactus City Rest Area Has Levels of Coliform Bacteria Above the Drinking Water Standard

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we did to correct this situation.

We routinely monitor for drinking water contaminants. We took 19 samples to test for the presence of coliform bacteria during September 2013. Two of our samples showed the presence of total coliform bacteria. The standard is that no more than one sample per month may do so.

#### What should I do?

- **You do not need to boil your water or take other corrective actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Total coliform bacteria are generally not harmful themselves. *Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.*
- Usually, coliforms are a sign that there could be a problem with the system's treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or *E. coli*, are present. **We did not find any of these bacteria in our subsequent testing, and further testing shows that this problem has been resolved.**
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from U.S. EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

## **What happened? What was done?**

On September 25, 2013 a sample in our E/B rest area was detected for presence of coli-form bacteria with 0.2 mg/L chlorine residual. To confirm the positive sample, On September 27, 2013 three samples were taken, where one sample had the presence of coliform bacteria with a chlorine residual of 2.9 mg/L. On September 28, 2013 Caltrans closed Rest Area immediately soon after the laboratory notified Caltrans of the confirmation result. Thereafter, coliform bacteria confirmation samples have been taken throughout the rest area showing no presence of coliform bacteria in its distribution system.

**“The well and/or distribution system has been disinfected and additional samples do not show presence of coli-form bacteria or E-Coli.**

**Adjustments to the chlorine in the system made by water operator.**

**For more information, please contact Brenda Anderson at 909-223-2920**

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.*

## **Secondary Notification Requirements**

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by Caltrans Cactus City Rest Area

State Water System ID#: 3301075 Date distributed:

## Drinking Water Notification to Consumers

## PROOF OF NOTIFICATION

Name of Water System: Cactus City

Please explain what caused the problem if you have determined what it was and what steps you have taken to correct it. System Closed awaiting repairs finding by operator.

Consumers Notified   X   Yes        No

If not, Explain: \_\_\_\_\_

Date of Notification: 10-10-13

On the date of notification set forth above, I served the above referenced document(s) on the consumers by:

- ☐ Sending a copy through the U.S. Mail, first class, postage prepaid, addressed to each of the resident(s) at the place where the property is situated, pursuant to the California Civil Code. Attach copy of Notice.
- ☐ Newspaper (if the problem has been corrected). Attach a copy of Notice.
- ☐ Personally hand-delivering a copy to each of the consumers. Attach a copy of Notice.
- ☒ Posted on a public bulletin board, that will be seen by each of the consumers (for small, non-community water systems with prior Department approval). Attach copy of Notice.

**I hereby declare the foregoing to be true and correct under penalty of perjury.**

Dated: 10-10-13 Brenda D. Anderson  
Signature of Person Serving Notice

**\*\*Notice: Complete this Proof of Notification and return it along with a copy of the notification to the Department within **10 days** of receipt of giving public notice.**

Disclosure: Be advised that the California Health and Safety Code states that any person who knowingly makes a false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by fine of not more than twenty-five thousand dollars (\$25,000) for each day of violation, or be imprisoned in county jail not to exceed one year or by both the fine and imprisonment.